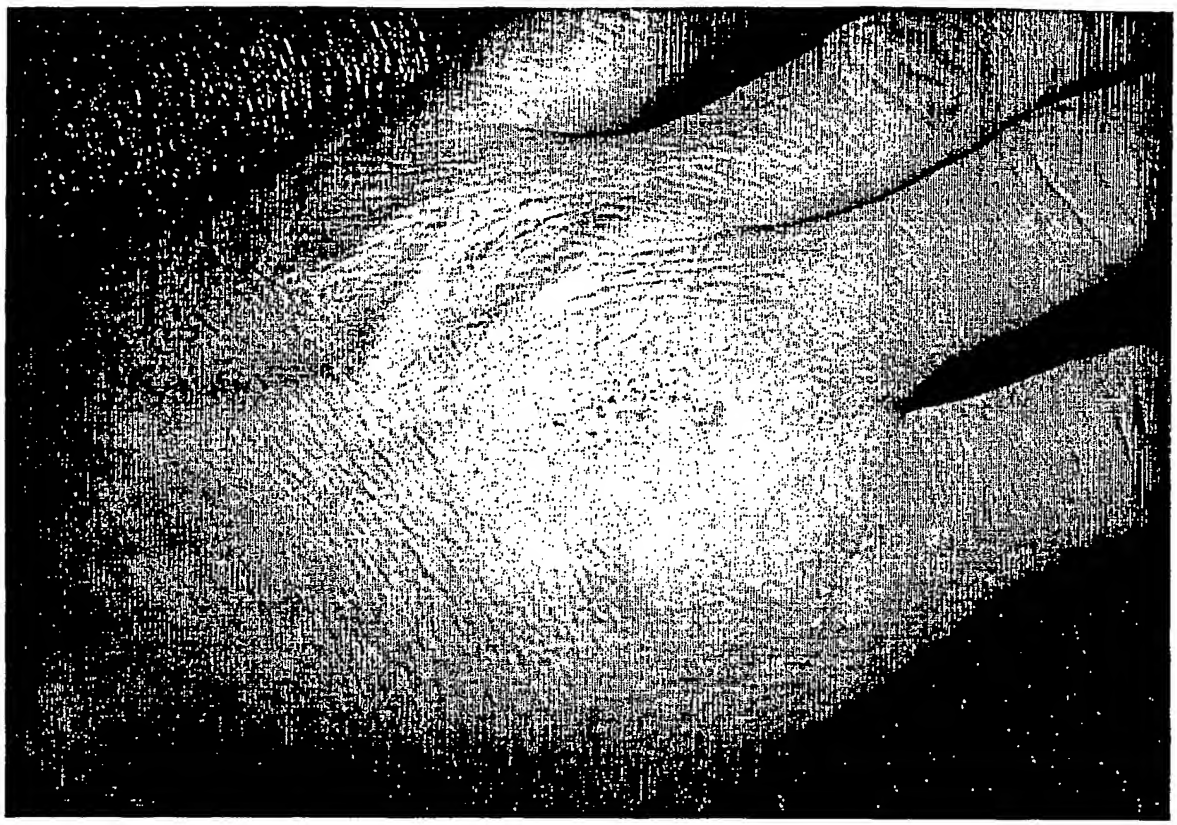

Fig 1. Appearance of the spray formed cellulose matrix, containing NaCl as a model drug .

Fig. 2 SEM of untreated microcrystalline cellulose (Avicel PH 101)

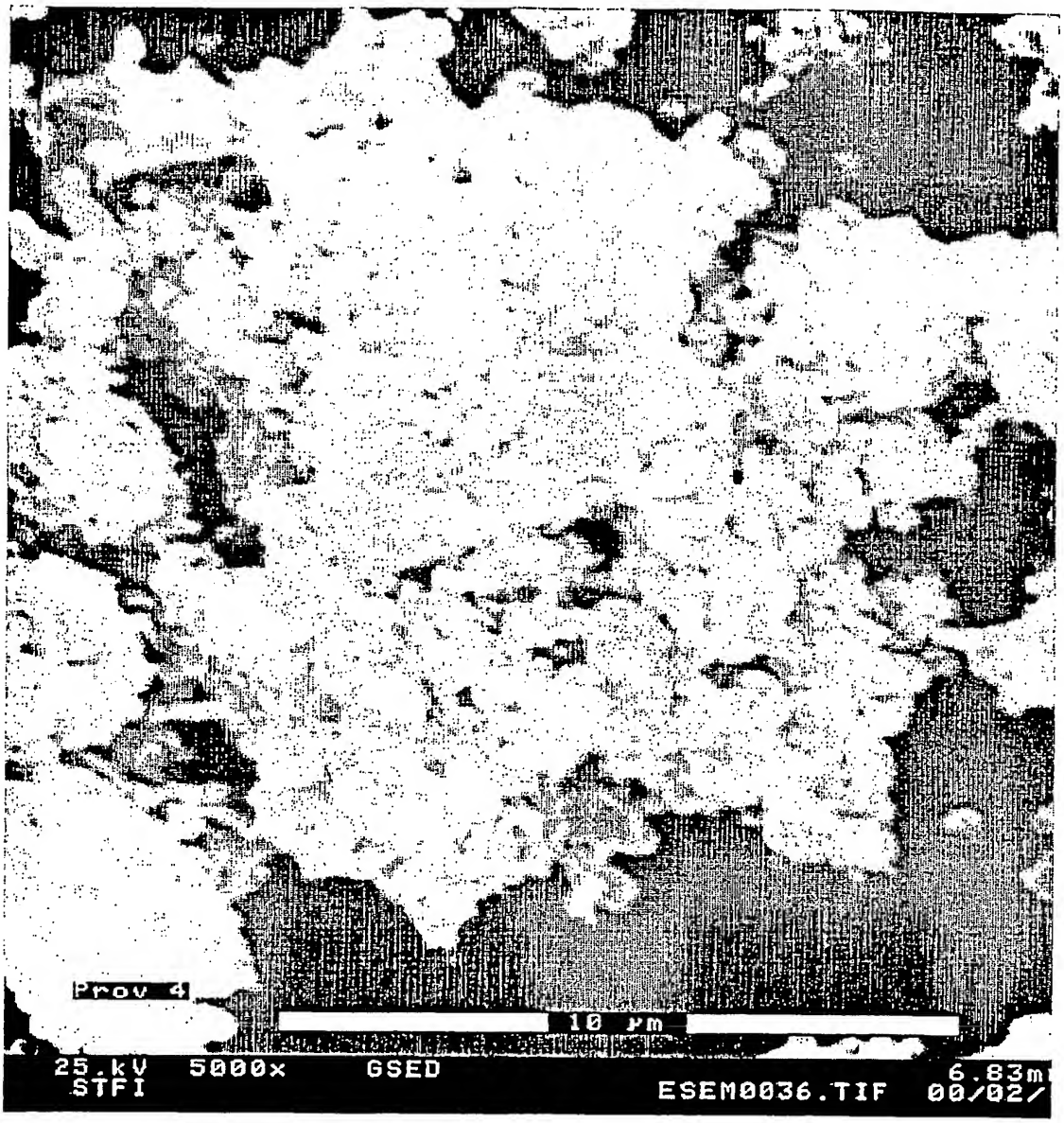

Fig. 3. Grounded microcrystalline cellulose (Avicel PH 101), demonstrating that almost all elongated form has disappeared.

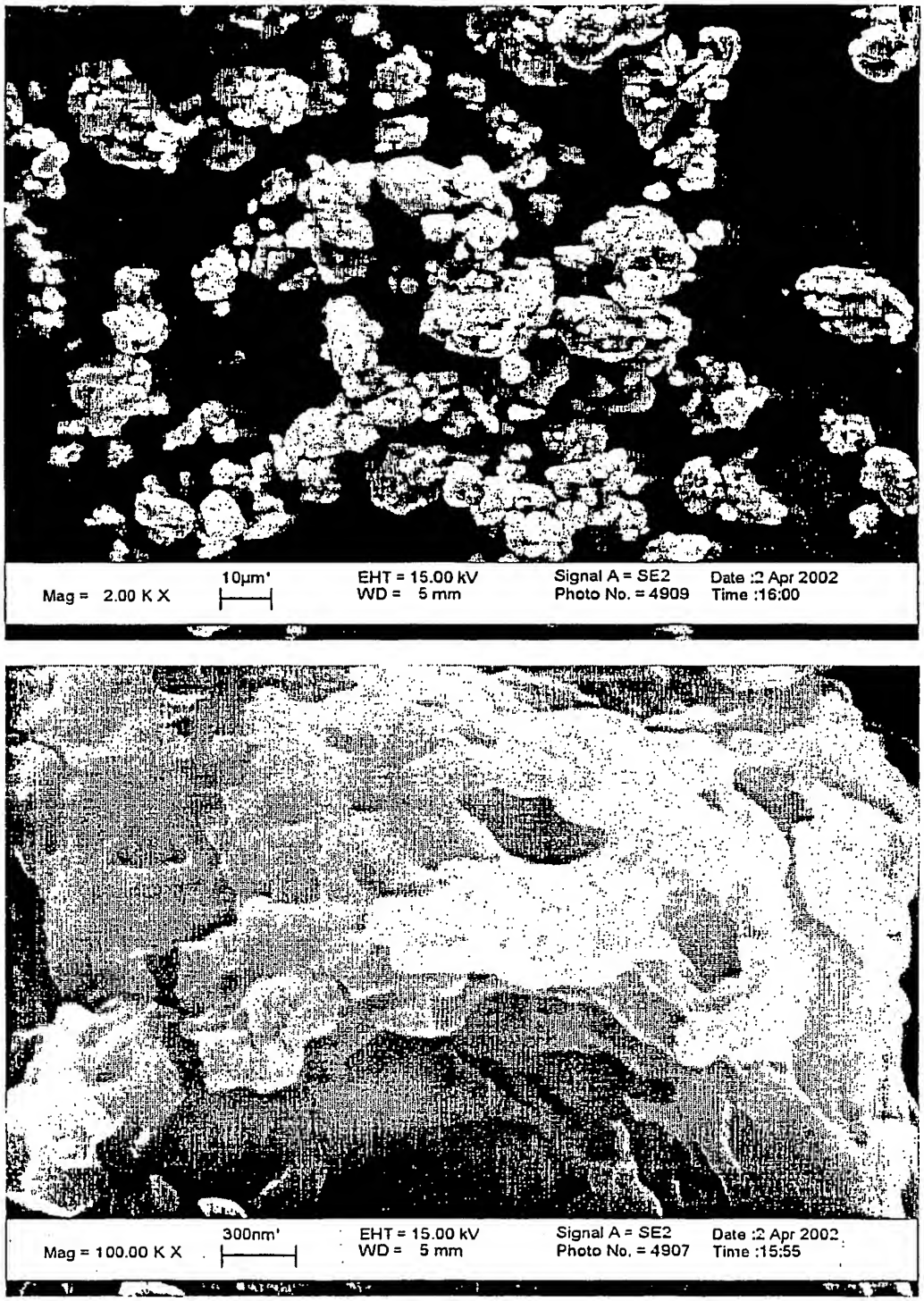

Fig. 4. SEM of spray-dried suspension particles (cellulose beads containing NaCl in the intraparticulate pores).

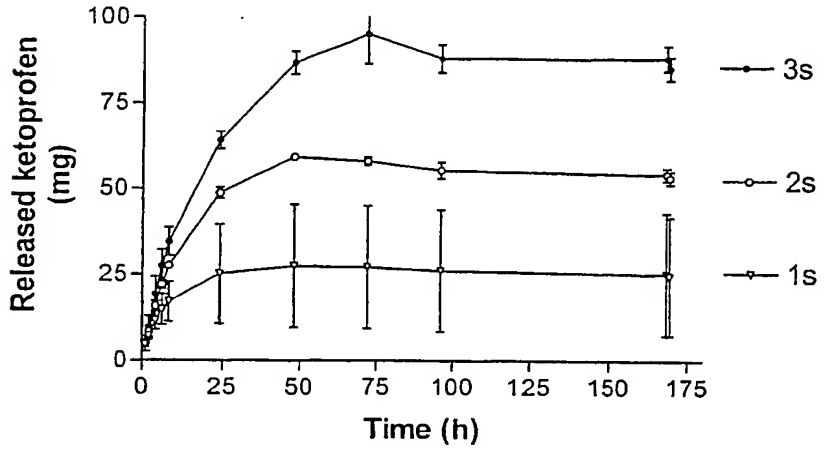

Fig 5. Drug release during 7 days from matrixes formed by suspension spray containing larger suspension particles of cellulose and ketoprofen. The diameter of the matrixes was 25 mm and the height of the matrixes was varied by using varying spraying times (discharge times). Here, spraying times of 1, 2 and 3 seconds were used.

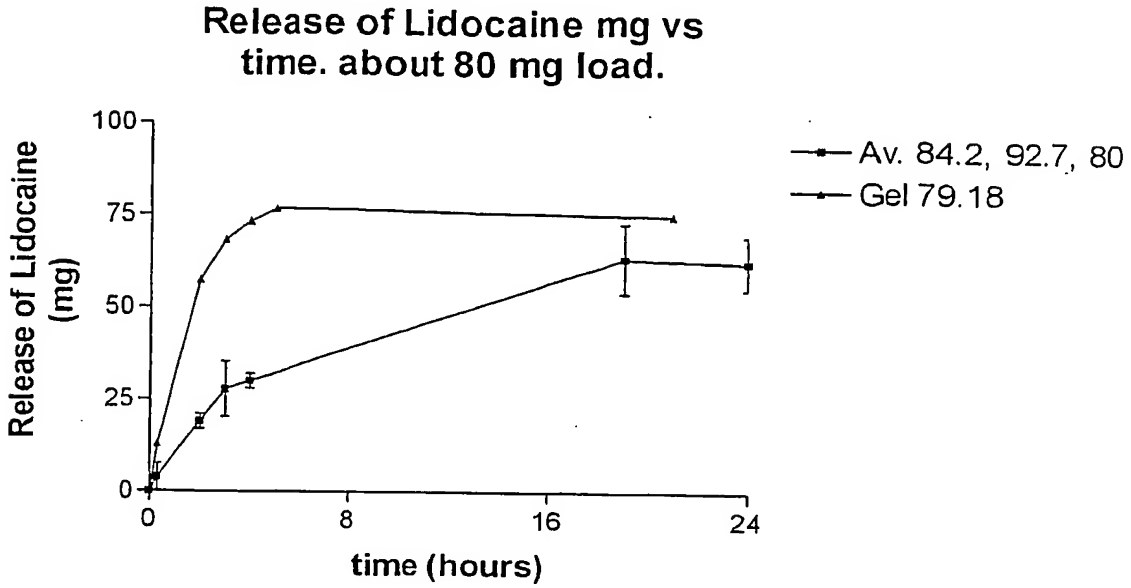

Fig 6. Drug release during 24 hours from both matrixes formed by suspension spray of cellulose and lidocaine hydrochloride and a gel formulation containing lidocaine hydrochloride.